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Flexible "ambient luminescence": The new Iku downlights for track from ERCO complete lighting concepts with spotlights

Lüdenscheid, September 2024. A division of labour has proved its worth in architectural lighting: Spotlights are used for accentuation, the "focal glow" – downlights are used for general lighting, the "ambient luminescence". With [Iku downlights](#) for track, this classic combination can now be realised economically, flexibly and

Whether in new buildings or revitalised existing ones, lighting concepts with ERCO 3-phase track are more relevant than ever. They offer the greatest possible flexibility of use, based on proven and robust technology. This makes track systems durable and future-proof. Typical applications include museums, but also hotels, restaurants and shops. There they mainly carry spotlights that can be aligned to accentuate objects, surfaces or zones in the room. Wallwashers for vertical lighting are also frequently installed on track.

However, holistic, perception-orientated lighting design is only complete with an additional component: uniform, glare-free and efficient ambient lighting. ERCO now offers [Iku](#), a downlight for track mounting, specifically for this purpose. With the clear radii and lines of its design, it harmonises particularly well with all cylindrically shaped spotlights and fits seamlessly into track systems: An ideal solution for any architecture, from reception areas to boutique offices.

Freedom instead of louvre

As track downlight, Iku combines the high visual comfort of classic recessed luminaires with the flexibility of spotlights in the track. In practice, this means: If the furniture layout or the use of a room changes, lighting can be easily adapted. Freely positionable [Iku track downlights](#) replace rigid recessed luminaires that are permanently mounted in the louvre. Planning ambient lighting only where it is needed means that fewer luminaires are required, which also reduces energy consumption. The special LED technology with lens optics developed in-house by ERCO, as used in the Iku recessed luminaires, ensures optimum efficiency and visual comfort.

Extremely adaptable

The modular design of this lighting technology makes [Iku track downlights](#) even more adaptable: The three available light distributions - wide flood (70°), extra wide flood (80°) and oval flood (20° x 60°) - are defined by interchangeable lenses, similar to ERCO spotlights, which can be changed in no time at all. Practical with the oval flood distribution, which is ideal for illuminating corridors or long tables, for example: The lenses can be rotated through 90° within the luminaire housing, meaning that the alignment of the oval light distribution is independent of the housing orientation. Iku track downlights with wide flood (70°) light distribution and good glare control (UGR<19) provide standard-compliant light for work. The downlights for track combine high efficiency of over 100 lm/W with outstanding glare protection. The correctly dimensioned anti-glare cones contribute to this effect, as does the pleasant luminance at the light source thanks to the division into two light heads.

Long life, many options

In terms of light colours, control interfaces and sustainability, [Iku track downlights](#) also meet the high system standards of the ERCO range. The available light colours range from 2700K to 4000K and are consistent with the spectra and colour coordinates of ERCO spotlights. The versions with [tunable white](#) technology offer an additional design dimension for infinitely variable light colours ranging from warm white to daylight white. In addition to On-board Dim, [DALI](#) and wireless Bluetooth-controllable [Casambi](#) versions of the Iku track downlights are available to realise smart control scenarios. The new lights are sustainable not only because of their efficient operation, but also because of their durable design: ERCO has specified a service life of at least 20 years or 75,000 operating hours for all newly developed luminaires in its own [ECO Design factory standard](#). This 20-year service life design also applies to the Iku track downlights.

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More about Iku: <https://www.erco.com/press/7941/en>



More about Iku

Technical features

ERCO lens system:	Spherolit lens, collimating optic made of optical polymer
Light distributions:	wide flood, extra wide flood, oval flood
ERCO LED module:	Mid-power LEDs
Light colours:	2700K CRI 92, 3000K CRI 82, 3000K CRI 92, 3500K CRI 92, 4000K CRI 82, 4000K CRI 92
Housing:	Cast aluminium, colour: white, black, silver
Mounting:	ERCO track adapter, rotatable through 360°
Control gear:	Casambi Bluetooth, On-board Dim, DALI dimmable, switchable
On-board Dim version:	rotary control on the luminaire for brightness control

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Images



Completing lighting concepts based on track: The new Iku downlights for track produce flexible "ambient luminescence", thus complementing the "focal glow" of the spotlights.

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The special LED technology with lens optics developed in-house by ERCO ensures optimum efficiency and visual comfort for Iku track downlights.

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Their modular design makes Iku track downlights particularly adaptable: The three available light distributions wide flood (70°), extra wide flood (80°) and oval flood (20° x 60°) are defined by interchangeable lenses.

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With the clear radii and lines of their design, Iku track downlights harmonise particularly well with all cylindrically shaped spotlights and fit seamlessly into track systems – ideal for reception areas, for example.

© ERCO GmbH, Visualisation: Electric Gobo



Freely positionable Iku track downlights replace fixed recessed luminaires mounted in a louvre. Planning ambient lighting only where it is needed means fewer luminaires and therefore less energy consumption.

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About ERCO

ERCO is an international specialist for high-quality and digital architectural lighting. The family-owned company, founded in 1934, operates globally in 55 countries with independent sales organisations and partners.

ERCO understands light as the fourth dimension of architecture – and thus as an integral part of sustainable building. Light is the contribution to making society and architecture better and, at the same time, preserving our environment. ERCO Greenology® – the corporate strategy for sustainable lighting – combines ecological responsibility with technological expertise.

At the light factory in Lüdenscheid, Germany, ERCO develops, designs and manufactures luminaires with a focus on photometric optics, electronics and sustainable design. The lighting tools are developed in close collaboration with architects, lighting designers and electrical designers. They are used primarily in the following applications: Work and Culture, Community and Public/Outdoor, Contemplation, Living, Shop and Hospitality. ERCO lighting experts support designers worldwide in transforming their projects into reality with highly precise, efficient and sustainable lighting solutions.

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